

Cracklin' Static

October 2023 Edition



SIERRA NEVADA
Amateur Radio Society

A VERY SPECIAL MEETING AND BREAKFAST AT CHAMELEON ANTENNAS! For more details see pg 6 ...

SNARS NET on DMR – Tuesdays 8pm
DMR Talk Group: 31328 SNARS

SNARS Treasury Closing Balances Per W7DBE as of 9-23-23

Operating	\$2,648
Convention	\$4,059
Self Insurance	\$17,003
Savings	\$1,864
PayPal	\$378
Total	\$25,952

Net Income / Year	-\$13,176
Net Income / Month	-\$133

Memberships 9

Donations	
Amazon Smile	\$114
PayPal Giving	\$29
Received \$5.13 in September	
Members	\$6,965
Total	\$7,108

Notes: 1) Deposited \$250 with restaurant for club December lunch
2) Purchased food for swap meet
3) Transferred \$500 from PayPal to operating

SNARS Membership as of 9-23-23

Extra	137	33%
Technician	128	31%
General	123	30%
Advanced	14	3%
No License	7	2%
Total	409	

SNARS ARRL Members as of 9-23-23

Regular	253	62%
Life	40	10%

PRESIDENT'S VOICE

SNARS PRESIDENT BARRY BETTMAN, K6ST

Welcome to early autumn where the temperatures are beginning to cool off slightly.

SNARS just had a very successful swap meet this past Saturday at Cabela parking lot with 17 sellers, and well over 40+ buyers.



Thanks to all the SWAP MEET volunteers who helped each other out!

Our next SNARS event is the Picnic at Lake-View Picnic Area in Davis Creek Regional Park this coming Saturday:



Multi-Club Picnic

Register by: Thu Sept 28th 5p
Picnic: Sat. Sept 30th 11a

LEARN MORE

And we are planning on a fox hunt activity as well as operating W1AW/7 Nevada on HF too.

Registration hotlink:

<https://docs.google.com/forms/d/e/1FAIpQLSfwm7lwYP6WCJXy6r08SIhD5XDj0c5BKNM8ZOGQvg8ly0eTQ/viewform>

SNARS Monthly Meeting

OCTOBER SURPRISE.... A VERY SPECIAL CLUB MEETING AND BREAKFAST

**And SNARS**

CLUB MEETING AND BREAKFAST

Register By: Mon. Oct 2nd 5p Meeting: Sat. Oct 7th 8a - Noon

Registration hotlink:

https://docs.google.com/forms/d/e/1FAIpQLSc_G4oQwdMZclvFmiTxSlvuBzXVB8O2vRqOh1Kjle572b5TJw/viewform

We want to welcome you to **Register by Monday Oct 2nd at 5p** for (complimentary) **Breakfast 10-7-2023 8 AM - 8:30 AM SHARP** (Be there ON TIME if you've registered!) for SNARS Members and fellow hams. Breakfast is for max of 50 registered persons that attend from 8am to 8:30 or until food runs out as the caterers have another event to prepare for after ours.

This event will be held outside Chameleon Antenna in the parking lot at 155 GLENDALE AVE, S -17B, Sparks, NV from Oct 7, 2023 8AM - 12 NOON.

This will be a great time for ham eyeball QSO's and sharing ham radio friendship together.

SNARS, HAM & HiFi, AND CHAMELEON ANTENNA WILL BE SPONSORING.

Don W7SSB will also be presenting on the Topic: Radio History 1925 - 1930 Lots of very interesting facts that benefit us today!

(fyi: This is NOT a swap meet!)

Looking forward being with you. **SNARS, Ham&HiFi, and Chameleon Antenna.**

Jamboree on the Air (JOTA)

Sat Oct 21st 9 AM - 1 PM

Help get the scouts on this at the North West Reno event

Contact K6ST Barry k6st@arri.net to help.

For more details on JOTA, see below on page 9 in the Youth Column.



SNARS Nevada Parade - Oct 28, 2023

Let's have fun with SNARS at the SNARS Nevada Parade - Oct 28, 2023

"A Silver State holiday honoring it's admission to the union, Nevada Day brims with history and culture and Battle Born heritage, celebrated from all corners of Nevada."

Who's interested being part of SNARS at the Nevada Day Parade in Carson City?

- * Plan with SNARS for the parade
- * Decorate the floats
- * Ride on the float in the parade
- * Operate ham radios in the parade
- * Or work us from home on the air the to the SNARS Nevada Day Parade

Please register to be part of the SNARS floats at the Nevada Day Parade

https://docs.google.com/forms/d/e/1FAIpQLSdaX-6GDrGOAngOQSKbgJA_er0Y5lDgHU4GuSwpeLrJ2txeHg/viewform



Thanks everyone .. and see you at these events and on the air.

73 K6ST Barry - SNARS President

SNARS D-STAR REPEATER ON THE AIR



D-STAR Back on the Air

The D-STAR Repeater at Mt Davidson is back on the air. It has a new call sign of W7TA and a new page on the club website related to the system at <https://snars.org/dstar>. You may find it on the site by clicking on the Repeaters menu link and select D-STAR Repeaters. The page has up to date information about the repeater frequencies, Schedule Nets and of course a link to a YouTube video on a simple guide to using D-STAR. We hope to have a room at our next Ham Radio Night on Zoom for those who have questions or need help with setting up their ICOM or Kenwood Radios that have D-STAR. Hope to hear you on the D -STAR System! **Tony W7XM**



PO BOX 7727 Reno NV 89510

Yearly Dues: \$40.00 Individual • \$50.00 Family

2023 Officers

President..... Barry Bettman, K6ST
Vice-President..... Brian Verhalen, KJ6EAC
Treasurer..... Doug Edmondo, W7DBE
Secretary..... Anthony Marcin, W7XM
Director John Byerly, N7ROJ
Director Jim Shepherd, W6US
Director Krystal Nelson, AJ6GC

2023 Staff

Cracklin Static	Howie Holden, WB2AWQ
W7TA Trustee	Peter DeBay, KE7VSR
KR7ENO Trustee	Howie Holden, WB2AWQ
Control Operator	Pat Sheehan, W7DED
Youth Involvement	Barry Bettman K6ST
NVQSO Coordinator	Jim Shepherd, W6US
Historian	Robin Maguire-Jones KF7VVE
Tech Team Lead	Pat Sheehan, W7DED
Membership	Kim Farnham, KG7TMA
PIO	Vacant
VE Coordinator	Krystal Nelson, AJ6GC
Meeting Greeter	Bill Jones, AE7OX
Noon Net Manager	Wes Vick, KG7QXE
DMR Net Manager	Anthony Marcin, W7XM
Reno Ham Swap	Wes Vick, KG7QXE
Webmaster	Erik Andreasen, K6CZH
Club Sales Manager	Vacant
Recording Secretary	Doug Edmondo, W7DBE

Cracklin Static Publication

Editor: Howie Holden WB2AWQ - holden7471@msn.com
Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Cracklin' Static is published the week before meetings. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday (or whichever Saturday is the meeting) of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	
147.210 + PL 100.0	Reno, Sparks	
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	
146.925 -PL 123.0	Lovelock, Fallon	
146.670 -PL 123.0	Winnemucca	
444.875 + PL 100.0	Yerington	
444.125 + PL 123.0	Reno Sparks	

DMR Systems

444.925 + CC 1	Reno, Sparks	
444.825 + CC 1	Dayton, Fallon, Carson	
443.925 + CC 1	Lake Tahoe, Truckee, Carson	
443.950 + CC 1	Incline Village	
442.875 + CC 1	Sparks, Fernley, Fallon	
442.850 + CC 1	Downtown Reno	
441.950 + CC 1	Fallon, Fernley	

Fusion Systems

146.610—DGID 28	Reno, Carson, Dayton	
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IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	
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Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	
145.050 - ROSE	Lake Tahoe, Truckee. Carson	
144.390 - TOULON	Lovelock, Fallon	

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	
443.075 + PL 123.0	Reno, Carson, Dayton	
927.0875 + PL 114.8	Reno, Carson, Dayton	



Online



Offline



Not Linked

Per Jim W6US:

Only the Winnemucca repeater should be stand-alone on the main SNARS system. Lobdell is now linked.....

Visit <https://snars.org/repeaters/analog> for additional updates/status on repeaters.



Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
 147.150 + PL123.0 – Lake Tahoe / Truckee
 147.210 + PL 100.0 - Reno
 444.875 + PL 100.0 - Yerington
 146.925 - 123.0 – Lovelock / Fallon
 146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

SNARS Noon Net	Mon—Fri @ 12:00pm
ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday @ 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Weak Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

Join us on SNARS Telegram Channel



Telegram

a new era of messaging

Visit <https://snars.org/telegram>

Our official channel for members to communicate with each other via chat, ask questions and get the latest information about the club, repeater status and amateur



SNARS Weekly DMR Net

Tuesdays 8:00PM

SNARS Talk Group 31328

SNARS CALENDAR

SNARS Board Meeting Wednesday, October 11, 6:00PM. Location and mode Chin Chin, Sparks, and Zoom

HAM RADIO MENTORING NIGHT on Zoom
 7:00 PM Monday, October 16, see
<https://snars.org/hamradionight/>

Reno QRP Group Meeting Tuesday, October 17, 11am – 12pm, Jack's Coffee Shop #2, 605 N Wells Ave, Reno, NV. Contact Ed, WD7Y WD7Y@sbcglobal.net for more info. If cancellation is needed, will be announced on the SNARS noon net.

Next months SNARS Breakfast Meeting, November 4, 8 AM. Location and media mode tentative, depending on Board decision.

WELCOME NEW MEMBERS

As Of 9-23-23

Bobbie	Reagan	KF6RCB
Frederick	Saalbach	KK7OGC
Ralph	Lucas	W6RWL
Don	Deree	KD7QDT
Sean	Austin	KK7OFP
Tony	Kurlander	WN6EBN

Member Benefit: SNARS ONLINE HAM SWAP

<https://snars.org/hamswap>

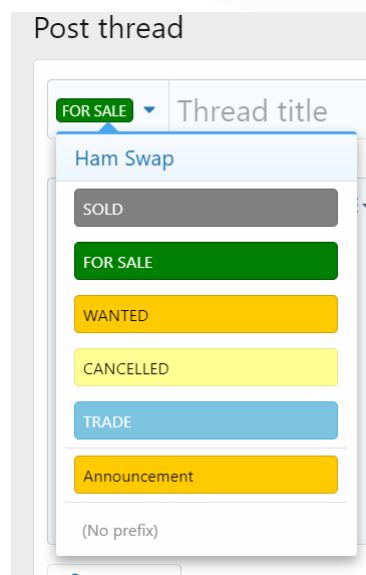
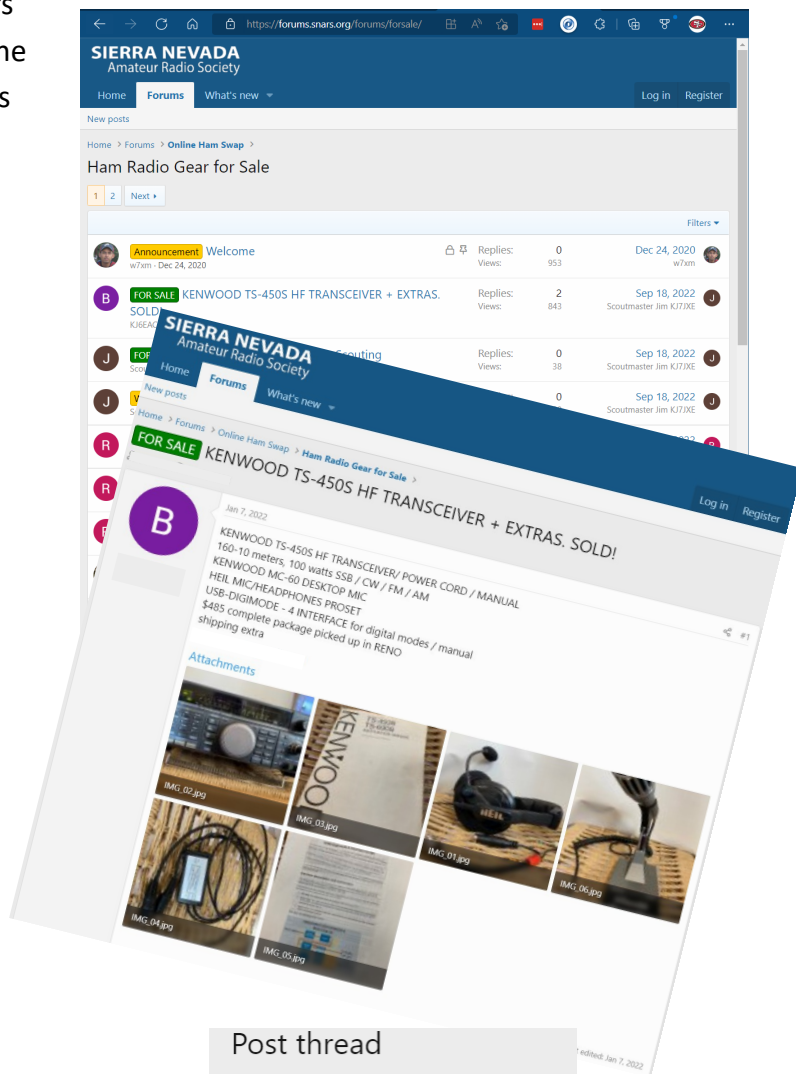
A SNARS members only benefit: We offer members a way to swap gear online and locally throughout the year. The online Ham Swap page provides members an option to list your gear, photos and descriptions for anyone to view.

You can find the swap page by either visiting <https://snars.org/hamswap> or locate the link at the top menu of the SNARS website labeled “Ham Swap”.

General Steps to posting a listing:

- 1.) Using your SNARS account (your_call@snars.org) click the Log in button at the top right. If you don't have a SNARS Account please request one to be setup by sending an email to membershipteam@snars.org.
- 2.) Click the “Post thread” button at top right.
- 3.) Select the post type “For Sale, Wanted, etc.” by clicking the down arrow button left of the title box.
- 4.) Type in a title for your items.
- 5.) Type in the message of any description of the items, condition of items and the best way to contact you. You may also post images of the items (recommended).
- 6.) Once you have completed the post click on “Post thread”.
- 7.) Your posting will now appear for all to view.

Note: you may visit the post anytime to update items and or change the status from for sale to sold by clicking the edit thread button under the three dots button and click edit thread, then click on the down arrow to choose the thread type to Sold or any other status.



If you have any questions about this member benefit please contact us at membershipteam@snars.org



Ham&HiFi And **SNARS**

PRESENT

***A VERY SPECIAL CLUB MEETING
AND BREAKFAST***

**Saturday, October 7, 8:30 AM-12 NOON
(in-person ONLY!)**

155 Glendale Ave S-17B Sparks, Nevada 89431

Saturday, October 7, 8 AM-12 NOON (in-person ONLY!)

155 Glendale Ave S-17B Sparks, Nevada 89431

Serving complimentary breakfast of pancakes, eggs, bacon, coffee, water, and donuts from 8AM to 8:30AM

- There will be product discounts of 20% for items we have in stock!
- There will be prize drawings with tickets!
- Please RSVP early! We have the catering preparing for 50 RSVP's MAXIMUM!
- This show is for SNARS members and other hams. This is not for families or kids!
- This is not a swap meet.
- Bring a chair!
- There will be product demos, new products to see and learn about.
- Don W7SSB will do a talk on radio history from 1925 - 1930, some really interesting developments!
- There will be several stations set up .

MUST REGISTER BY MONDAY

OCTOBER 2nd at 5PM

Register here: [SNARS CHAMELEON HAM N HIFI BREAKFAST](http://snars.org)

THE NAME OF THE GAME

Jim Shepherd W6US

NVQSO PARTY IS COMING!

The Sierra Nevada Amateur Radio Society is proud to present the Nevada QSO Party which is an annual event on the second full weekend in October. This year it will start at 2000 hours Nevada time (PDST) on Friday, October 13 (0300z 10/14/2022) and run until 1400 on Sunday, October 15 (2100z 10/15/2022).

The objective of this contest is for Nevada stations to activate all 17 of the counties in Nevada and work the rest of the world. Nevada stations will work anyone, anywhere, and out of state stations will work the Nevada Stations. All stations may be worked on the three different modes for up to three times on each HF band and only once on the VHF+ frequencies. Rovers in Nevada can be worked again when they change counties. The Exchange is simple, signal report (59 or 599) and your ARRL/RAC SECTION for those outside of Nevada and the signal report and the 5 letter county code for those inside of the state. Note that we are using SECTIONS not states—Logging 'CA' for a California station will be not counted, you must use one of the 9 California Section identifiers like SV, LAX, etc. A complete list of the boundaries of all the ARRL sections is at <http://www.arrl.org/section-boundaries> and I suggest downloading and printing a copy for reference.

The state of Nevada is one of the rarest U.S. States on the air. If you are out of state be sure to work Nevada in the upcoming Nevada QSO Party; it will be helpful to you when going for ARRL WAS (Worked All States award) and other awards like grid zones and counties. Nevada stations can work the world as well as the other operators in Nevada. Nevada stations will have the best results on trying to work other Nevada stations by using 80 and 40 meters with NVIS antennas or using the VHF bands. This also works for stations near our borders.

The VHF+ band will consist of all legal frequencies from 50 MHz up to 1300 MHz. In order to bring a lot of new hams into contesting, we are allowing the use of repeaters on these frequencies. There are linked systems which will allow out of state contacts. All modes will be allowed. You can work a VHF/UHF/SHF station only once. If you do work stations using moonbounce or meteor scatter, please make a note of that in your soapbox comments.

On the HF side, Phone, CW, and Digital modes will add multipliers to the QSO points. All conversational digital text modes are allowed with all counting the same. While most of the activity will be on SSB, there is a definite need for CW and Digital operations in all of the counties. We are no longer using FT8 and FT4, but other Digital modes like RTTY, PSK31 are great for making contacts. CW ops are especially needed in all counties!!!

Working the contest from home is perfectly acceptable and highly encouraged! However, getting out in the field in one or more of the rural counties can be highly rewarding! Most rural counties are very wanted by the "County Hunters", and if you put a good signal on the air, you will get lots of contacts. Especially wanted

are CW and Digital contacts. Setting up on or within 500' of a county line will allow you to give out 2 contacts at once, and there are a number of places where 3 counties come together for 3 contacts at once. Rover operations where you drive from county to county are also a good way to go.

Logging software from N1MM will have the ability to work on this contest. For those that are using paper and pencil or some other logging method that does not produce a Cabrillo file, we also have the WA7BNM Cabrillo log maker which will allow you to build a Cabrillo file. Paper logs will not be allowed. We will be using some improved web entry software to make it easier to send in your log after the contest! Please send in a log even if you only make a couple of contacts, it is important to show lots of Nevada logs to show our Nevada participation to keep up interest for the out of state hams to continue looking for us!!!

We also have a sign-up form to allow stations to sign up for the counties which they will activate. We are going to try and get operators out in all counties and have all modes covered. Please use this form if you are going to be operating in Nevada. The more stations we have in each county, the better it will be for everyone. Countyline and Rover operations will be sitting on 2 or more different counties at the same time and will count for multiple contacts. Don't worry if there are a bunch of operators signed up

for Washoe county, add your callsign to the pile! We really want to see all of the counties activated—the weather is usually good and the fall colors are starting to show around the state, so take a road trip and see our state while activating a rare county! You can also pick locations where you will get SOTA or POTA credit if you give those exchanges along with your NVxxx exchange. As of this time, Wheeler Peak in Great Basin National Park does not have any planned operations, so you could go there and get all three credits, SOTA, POTA, and NVQSO, for each contact!

The Nevada QSO Party website is <http://nvqso.com/>. Complete rules are listed under the "Rules" tab and please read the FAQs for additional information. There are links on the website to the Cabrillo Log Maker, and the ARRL/RAC section abbreviations are available at: <http://www.arrl.org/section-boundaries>

Information is subject to change on the website so be sure to check back regularly. Please visit this site often and pass the word onto your friends! If you do go afield, please send in pictures of your operation and GPS location, and a short write up of your experience so we can put that in the newsletter.

We are looking forward to your participation in this contest! The NVQSO does count toward the State QSO Party Challenge! This contest is sponsored by SNARS and we really want a lot of participation. With the ability to use your handheld on the repeater systems, everyone can have fun and talk to lots of other hams.

For further information on the contest, contact Jim Shepherd at W6US@SNARS.ORG



SNARS VOLUNTEERING

This month, we thank the people who contributed to putting on the recent ham swap:

KG7QXE Wes, K7TDM Tyler, AE7OX Bill, KJ6EAC Brian, KG7TMA Kim, WD6CHC Chuck, W7DBE Doug and many others that help each other at the swap meet.

.. and special thanks to Cabela's for hosting the swap meet.

This type of teamwork from SNARS members is what makes the Sierra Nevada Amateur Radio Society such a great club.

Please feel free to reach out to me to see how you might be of service to the club. With great appreciation, K6ST Barry SNARS President k6st@arri.net

73, Barry K6ST

President, Sierra Nevada Amateur Radio Society www.snars.org

Nevada Section Youth Coordinator

ARRL (American Radio Relay League) www.arri.org

The national association for amateur radio



SHORT TAKES (By Jim Shepherd W6US)

CONTEST CALENDAR

The biggest QSO Party in October is the Nevada Party starting on 10/13/23—there are a lot of county line locations that will be fun to activate for this contest. See my column this month for more information. The California QSO party starts on Oct. 7th and for us here in Nevada it is a good warmup to get the cobwebs out of our gear. One little hint for your exchange, say “State of Nevada” as there is a Nevada county in California... Same weekend as ours are the Arizona, South Dakota and Pennsylvania parties, so there should be lots of activity. The last weekend of the month is the huge CQ World Wide SSB contest which is a good time to try and add some countries to your DXCC list. This and other contest information can be found at <https://www.contestcalendar.com/contestcal.html>

DX

The best DX will feature Niue, Mayotte, East Kiribati, Swains Island, and Tuvalu and a few more locations around the globe. More information can be found at <https://www.ng3k.com/Misc/adxo.html>

THIRD MONDAY ZOOM HAM RADIO NIGHT

We will have our popular Ham Radio Nights via ZOOM to get your questions answered. It will be held at 7pm on Monday, October 16th. We need to see more people join in the discussions, especially new hams. More information, including the link will be published before that date.

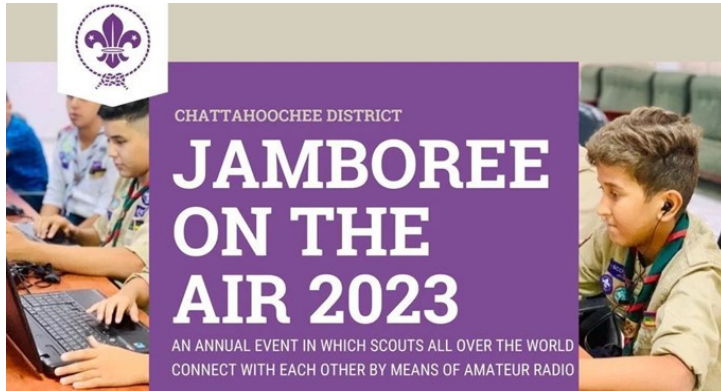
NAME THAT RIG?

(Answer on page 14)



YOUTH INVOLVEMENT JAMBOREE ON THE AIR 2023

SNARS has the opportunity to help reno scouts with Jamboree on the Air on **Saturday, Oct 21st 9 AM - 1 PM** at St Alberts the Great Church. Everyone is welcome to come and help out. Jamboree-on-the-Air provides the opportunity for millions of Scouts around the world to meet on the air via Amateur Radio.



Jamboree-on-the-Air, or JOTA, is the largest Scouting event in the world. It is held annually the third full weekend in October. JOTA uses amateur radio to link Scouts and hams around the world, around the nation, and in your own community. This jamboree requires no travel, other than to a nearby amateur radio operator's ham shack. Many times you can find the hams will come to you by setting up a station at your Scout camporee, at the park down the block, or perhaps at a ham shack already set up at your council's camp.

Tell Me More

Scouts of any age can participate, from Cub Scouts to Boy Scouts and Venturers, including girls. Once at the ham radio station, the communication typically involves talking on a microphone and listening on the station speakers. However, many forms of specialized communication may also be taking place, such as video communication, digital communication (much like sending a message on your smartphone but transmitted by radio), or communication through a satellite relay or an earth-based relay (called a repeater). The exchanges include such information as name, location (called QTH in ham speak), Scout rank, age, and hobbies. The stations you'll be communicating with can be across town, across the country, or even around the world! The World Scout Bureau reported that the 2017 JOTA-JOTI had over 1.5 million Scout participants from more than 160 countries.



Modern technology offers Scouts the exciting opportunity to make friends in other countries without leaving home. JOTA is an annual event in which Boy and Girl Scouts and Guides from all over the world speak to each other by means of Amateur (ham) Radio. Scouting experiences are exchanged and ideas are shared via radio waves. Since 1958 when the first Jamboree-on-the-Air was held, millions of Scouts have met each other through this event. Many contacts made during JOTA have resulted in pen pals and links between Scout troops that have lasted many years. With no restrictions on age or on the number of participants, and at little or no expense, JOTA allows Scouts to contact each other by ham radio. The radio stations are operated by licensed amateur radio operators. Many Scouts and leaders hold licenses and have their own stations, but the majority participate in JOTA through stations operated by local radio clubs and individual radio amateurs. Some operators use television or computer-linked communications.

SNARS appreciates you. Let's get scouts on the air to talk to other scouts worldwide during Jamboree on the Air.

For more info on JOTA from the ARRL, visit:
<http://www.arrl.org/jamboree-on-the-air-jota>

For more info on how SNARS is doing JOTA, Contact:

K6ST Barry k6st@arrl.net
Nevada Section Youth Coordinator
ARRL (American Radio Relay League) www.arrl.org
The national association for amateur radio

SNARS BOARD OF DIRECTORS NOMINATIONS

It's that time of the year to call for nominations for the board of directors. The following Four (4) board member terms expire at the end of this year.

- Barry Bettman, K6ST
- Jim Shepherd, W6US
- Doug Edmondo, W7DBE
- Anthony Marcin, W7XM

Board Members serve a two-year term elected by the membership of SNARS. To nominate a candidate please submit your nomination on our nomination form visiting <https://snars.org/nomination>. We do ask you to follow up with the person you are nominating if they agree to be nominated, have been a member of SNARS for 1 year, is a full member, in good standing and will serve if they are elected before nominating someone. Anyone can nominate a member in the club or themselves.

Nominations will be accepted now through Oct 15th. If you have any questions, please feel free to contact any of the board members. We hope you will consider serving on the board of this great amateur radio organization we have!Tony W7XM SNARS SECRETARY

W7SSB's FUN PAGE

A Touch of History

WHERE DID AMATEUR RADIO CALL SIGNS COME FROM ?

The history of our license and call signs are part of our unique hobby. The trail goes back to the early days of experimenters. Please watch the great video from Bob Ritz, W7VO -

https://www.youtube.com/watch?v=Su76QvChuEU&ab_channel=MikeRitz

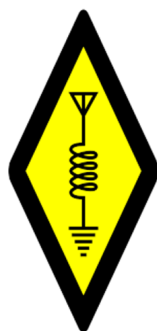


W1ZE, First licensed amateur radio operator in the USA. Many of the early operators had many call signs. Some they made up, some from the Department of Commerce 1912, the Federal Radio Commission 1927, and finally the Federal Communications Commission 1934.

OOTC #2, VERMILYA, Irving, ex VN, 2OR, 1HAA, 1ZE, W1ZE, "Irving", b, 29 Jun 1890, SK 30 1964, Irving was an Early Licensed Operator. He held "Certificate of Skill" #1 issued December 12, 1912 at the Brooklyn Navy Yard, also Amateur Radio Station License, 2OR, issued on the same day by examining officer Gunner Booth.

1ST 2 way 1901, Made call VN famous in the early days from from Mt. Vernon, NY Wireless operator on ships for United Wireless Co, Worked for famous Marconi station CC/MCC/WCC at South Wellfleet, Mass, becoming its Manager, Served as CRM USN WWI.

Wrote the classic article, "Amateur Number One" in QST Feb-Mar 1917.



The international symbol for amateur radio, included in the logos of many IARU member societies. The diamond holds a circuit diagram featuring components common to every radio: an antenna, inductor and ground.

Where did the term ham come from ?



Why radio amateurs are called "HAMS"

(from Florida Skip Magazine - 1959)

"Have you ever wondered why radio amateurs are called 'HAMS'? Well, it goes like this: The word 'HAM' as applied to 1908 was the station CALL of the first amateur wireless stations operated by some amateurs of the Harvard Radio Club. They were ALBERT S. HYMAN, BOB ALMY and POOGIE MURRAY.

At first they called their station 'HYMAN-ALMY-MURRAY.' Tapping out such a long name in code soon became tiresome and called for a revision. They changed it to 'HY-AL-MU,' using the first two letters of each of their names. Early in 1901 some confusion resulted between signals from amateur wireless station "HYALMU" and a Mexican ship named 'HYALMO.' They then decided to use only the first letter of each name, and the station CALL became 'HAM.'

In the early pioneer days of unregulated radio amateur operators picked their own frequency and call-letters. Then, as now, some amateurs had better signals than commercial stations. The resulting interference came to the attention of congressional committees in Washington and Congress gave much time to proposed legislation designed to critically limit amateur radio activity. In 1911 ALBERT HYMAN chose the controversial WIRELESS REGULATION BILL as the topic for his Thesis at Harvard. His instructor insisted that a copy be sent to Senator DAVID I. WALSH, a member of one of the committees hearing the Bill. The Senator was so impressed with the thesis that he asked HYMAN to appear before the committee. ALBERT HYMAN took the stand and described how the little station was built and almost cried when he told the crowded committee room that if the BILL went through that they would have to close down the station because they could not afford the license fees and all the other requirements which the BILL imposed on amateur stations.

Congressional debate began on the WIRELESS REGULATION BILL and little station 'HAM' became the symbol for all the little amateur stations in the country crying to be saved from the menace and greed of the big commercial stations who didn't want them around. The BILL finally got to the floor of Congress and every speaker talked about the '...poor little station HAM.' That's how it all started. You will find the whole story in the Congressional Record.

Nation-wide publicity associated station 'HAM' with amateur radio operators. From that day to this, and probably until the end of time in radio an amateur is a 'HAM.' "

HISTORY OF THE Q CODES

There are other Q Codes used in the airline, railroad, maritime services.

They can be used to pose a question or provide an answer !

- **QAA to QNZ** For Aviation use.
- **QOA to QQZ** For the Maritime Services.
- **QRA to QUZ** Used in all radio services.

(Continued next page....)

W7SSB (continued from previous page...)

AMATEUR RADIO INFORMAL Q-CODE

In informal ham language, some codes have slightly diverted from their original meaning and are used just as a replacement for a specific word. The table below summarizes the most common:

QRA	Name
QRB	Distance
QRG	Frequency
QRK	Intelligibility
QRL	Busy
QRM	Interference
QRN	Noise
QRO	High power
QRP	Low power
QRQ	High speed CW
QRS	Low speed CW
QRSS	Very low speed CW
QRT	Shut down the station
QRV	Ready
QRX	Stand by
QRZ?	Who is calling me?
QSB	Fading

QSD	Defective keying
QSK	Break in
QSL	Confirmation or card to confirm contact
QSO	Radio contact
QSY	Change frequency
QTC	Message
QTH	Location
QTR	Time

Please watch the great video explaining the history of Q Codes from Robert Cain N4IXT.

https://www.youtube.com/watch?v=5sNT1zP6LIQ&ab_channel=ArcaneTube

I hope this article brought some knowledge to you as it did for me!

Stay tuned!

Don Sherman

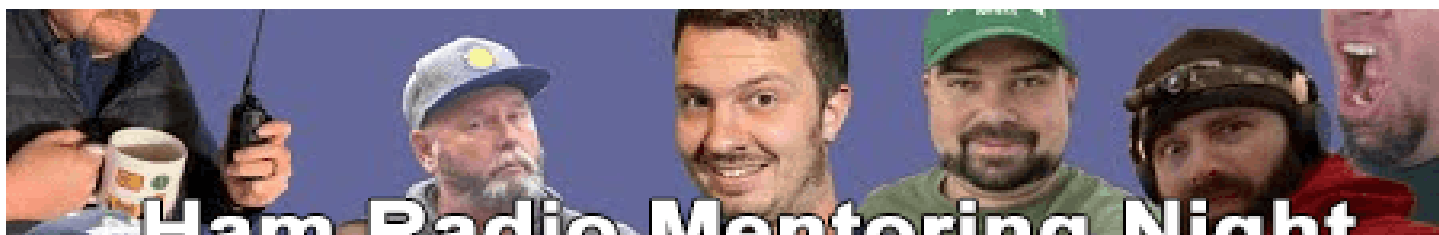
W7SSB

(775) 742-5165 donssherman@gmail.com



SNARS HAM RADIO MENTORING NIGHT

3rd Monday of each month at 7PM PT on Zoom
Join together and Elmer each other for Ham Radio Night on



OCTOBER 16, 2023 7 PM PT

Topic Breakout Rooms:

Jota (Jamboree on the Air)

VHF/UHF Analog

DMR/Fusion

Nevada Day Parade - SNARS Floats

If you have any questions or would like to be of service as an Elmer, please contact K6ST Barry
k6st@arri.net

Register below for our next Ham Radio Mentoring Night, SNARS (virtual on Zoom conferencing)

https://us06web.zoom.us/meeting/register/tZlucuqoqTsG_sCDnkEx4fp_J2hrVGyyd

ARES NEWS

EVENT CALENDAR

EVENTS 2023	DATE	DATE END	SPONSOR/ORGANIZER	COORDINATOR	CONTACT
Reno Jeep Festive	10/14/23		NV 4WD Assoc, Charles Doyle	Bob Miller WA6MTY	775 433-3864
Nevada Day Parade	10/28/23		NV AREA NW DEC	Tom Tobacco KE7NCJ	smokey5880@gmail.com
Scheels Turkey Trot	11/23/23		WCARES	Bob Miller WA6MTY	wa6mty@gbis.com
One Day Ham Cram Test Review	12/9/23		Washoe ARES	Bob Miller WA6MTY	wa6mty@gbis.com

Washoe ARES Event Support

Many thanks to everyone who helped with Security at the Last Reno Air Races. RARA asked us for 250 Volunteer Hours and we gave them 529 Hours.

Bob Miller, WA6MTY; Terry Fowler, KK7AKN; Tim Stoffel, NS9E; John Phillips, KL7RI; Bob Clark, KJ7PWT; Greg Ford, N7SAX; Ken Forrer, KF7BNX; Arlan Robinson, KA7ZAU; Mark Vodon, KI6PTE; Aaron Penrod, ; David Tait, KM6KOI; Jordan Deas, KN6UAT; Melissa Lopez, ; Frank Kostelec, N7ZEV; Linda Kostelec, KC7IIT; Billy Mendoza, KJ7VGE ; John McEldowney, KG7LBY; Fred Saalbach, ; Paul Mudgett, KK7NHS; Alan Jump, N5ILN; David Richards, AF6MN; Rick Sweeney, K9THO; Lu Sweeney, KK7HKZ; Chuck Farnham, WD6CHC; Felipe Da Silva, KE7OIF; Darrell Foote.

An EXTRA SPECIAL THANKS to my Assistant Emergency Coordinator Arlan KA7ZAU for managing our volunteers Thursday through Sunday. Very busy coordinating with CERT to man the Very Expensive Box Seat and Grand Stand ticket holder stations.

Bob WA6MTY

EARLY SWAP MEET PHOTOS



REPEATER DIRECTORY

FOR THOSE WHO WEREN'T AT THE LAST BREAKFAST

Amateur Radio Repeater Directory Reno/Tahoe Region

SNARS Linked System Sierra Nevada Amateur Radio Society, Inc. | <https://snars.org>

Reno, Sparks Peavine Peak - 8,278'	147.210 + PL: 100.0 Enc/Dec	Sparks, Fernley Virginia Peak - 8,375'	147.030 + PL: 123.0 Enc/Dec
Tahoe, Carson Mt Rose - 10,320'	147.150 + PL: 123.0 Enc/Dec	Lovelock, Fallon Toulon Peak - 6,875'	146.925 - PL: 123.0 Enc/Dec
Winnemucca Winnemucca Mt. - 6,760'	146.670 - PL: 123.0 Enc/Dec	Yerington Lobdelle Peak - 8,248'	444.875 + PL: 100.0 Enc/Dec

Other SNARS Systems Sierra Nevada Amateur Radio Society, Inc. | <https://snars.org>

Reno, Carson Ophir Peak - 7,780'	146.610 - Fusion - DGD 28	Reno, Carson Ophir Peak - 7,780'	443.075 + PL: 123.0 Enc/Dec
Reno, Carson Ophir Peak - 7,780'	147.390 + PL: 100.0 Enc/Dec	Reno, Sparks GSR - 4,850'	147.300 + PL: 123.0 Enc/Dec

SNARS DMR Systems Sierra Nevada Amateur Radio Society, Inc. | <https://snars.org>

Reno, Sparks Peavine Peak - 8,278'	444.925 + CC: 1 TG: 31328 TS 2	Reno, Carson Mt Davidson - 7,810'	444.825 + CC: 1 TG: 31328 TS 2
Sparks, Fernley Virginia Peak - 8,375'	442.875 + CC: 1 TG: 31328 TS 2	Fernley, Fallon Eagle Ridge - 6,880'	441.950 + CC: 1 TG: 31328 TS 2
Incline, Tahoe Incline Village - 6,300'	443.950 + CC: 1 TG: 31328 TS 2	Tahoe, Truckee Mt Rose - 10,320'	443.925 + CC: 1 TG: 31328 TS 2

SNARS DStar Systems Sierra Nevada Amateur Radio Society, Inc. | <https://snars.org>

Reno, Carson Mt Davidson - 7,810'	145.175 - Module C	Reno, Carson Mt Davidson - 7,810'	444.625 + Module B
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SIERA Systems Sierra Intermountain Emergency Radio Association | <https://CVhams.com>

Carson Valley Leviathan Peak - 9,002'	147.330 + PL: 123.0
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TARA Systems Tahoe Amateur Radio Association | <http://TahoeAmateurRadio.com>

Tahoe, Carson East Peak - 9,700'	147.240 + PL: 123.0	Lake Tahoe Angels Roost - 8,500'	146.850 - PL: 123.0
Tahoe, Carson East Peak - 9,700'	224.020 - PL: 123.0	Lake Tahoe Angels Roost - 8,500'	443.700 + PL: 114.8
Alpine County Hawkins Peak - 10,024'	224.020 - PL: 123.0	Lake Tahoe Angels Roost - 8,500'	442.475 + CC: 3 TG: 3132, 31068 TS 2

CARLA Systems California Amateur Radio Linking Assoc. | <https://CARLARadio.net>

Reno - 21 Lower Peavine - 8,000'	440.750 + PL: 156.7 127.3	South Tahoe - 8 Echo Summit - 8,600'	442.075 + PL: 151.4 127.3
Topaz - 18 Topaz Lake - 7,400'	443.475 + PL: 167.9 110.9	Reno, Tahoe - 23 Slide Mountain - 9,700'	441.550 + PL: 156.7 127.3
Hawthorne - 22 Corey Peak - 10,300'	440.725 + PL: 156.7 127.3	Carson Valley - 24 McClellan Peak - 7,440'	443.325 + PL: 156.7 127.3

220 MHz Systems

Tahoe - W7DED Mt Rose - 10,240'	224.300 - PL: 156.7	Reno - W7DED Mt Davidson - 7,810'	224.500 - PL: 156.7
Tahoe - AE7I Mt Rose - 10,240'	224.580 - PL: 107.2	Reno - AE7I Peavine Peak - 8,278'	224.540 - PL: 100.0

Amateur Radio Repeater Directory Reno/Tahoe Region

CARS Linked System Churchill Amateur Radio Society | <https://nvrcars.org>

Reno Lower Peavine	443.675 + Fusion PL: 156.7	Carson City Carson City DEM - 5,550'	442.900 + Fusion PL: 156.7
Lake Tahoe East Peak - 9,700'	442.300 + Fusion PL: 156.7	Fernley, Fallon Eagle Ridge - 6,880'	442.225 + Fusion PL: 156.7
Winnemucca Winnemucca Mt. - 6,760'	444.225 + Fusion PL: 156.7	Smith Valley Lobdelle Peak - 8,248'	440.050 + Fusion PL: 94.8

Weekly Repeater Nets <https://snars.org/nets>

SNARS Noon Net	Mon - Friday 12:00pm	SNARS Linked Systems
TARA Net	Mondays - 7:30pm	147.240, TARA Systems
ERC Net	Mondays - 9:15pm	SNARS Linked Systems
SIERA VHF Net	Tuesdays - 7:30pm	147.330, SIERA System
SNARS Digital Net	Tuesdays - 8:00pm	SNARS DMR TG 31328
LV Open DStar Net	Wednesdays - 6:00pm	SNARS DStar Systems
N NV Preppers Net	Wednesdays - 8:00pm	SNARS Linked Systems
NW NV ARES NET	Thursdays - 7:30pm	SNARS Linked Systems
Hospital Net	Fridays - 10:00am	SNARS Linked Systems

HF/VHF Nets <https://snars.org/nets>

Jefferson Noon Net	Daily - 12:00pm	7.204 LSB
Golden Bear NTS Net	Daily - 7:00pm	3.975 LSB
SIERA HF Net	Tuesdays - 8:00pm	3.980 LSB
6 Meter Net	Tuesdays - 8:00pm	50.350 USB
2 Meter Memorial Net	Wednesdays - 8:00pm	144.250 USB
2M Simplex Net	Thursdays - 8:00pm	146.500 FM
Rural Amateur Radio Net	Saturdays - 7:30am	3.965 LSB
NV ARES NET	Saturdays - 8:00am	3.965 LSB
10 Meter Net	Sundays 2:00pm	28.350 USB

Amateur Radio Exams

Reno / Sparks Area	3rd Sat - Feb, Apr, Jun, Aug, Oct, 2nd Sat Dec	https://snars.org/exams
Carson City Area	3rd Sat - Mar, May, Jul, Sep, Nov	https://cvhams.com/exams

Events and Activities

SNARS Monthly Meeting	1st Saturday - 8:00am	https://snars.org
TARA Monthly Meeting	2nd Saturday - 12:00pm	http://tahoeamateurradio.org
SIERA Monthly Meeting	1st Saturday - 12:00pm	https://cvhams.com
Washoe ARES Meeting	1st Saturday - 10:30am	https://WashoeARES.org
QCWA Meeting	2nd Sat, Odd Month - 11:00am	https://qcwa.org
QRP Lunch	3rd Tuesday - 11:00am	http://w7fst.org
HAM Radio Mentoring Night	3rd Monday - 7:00pm	https://snars.org/mentoring

FM Simplex Frequencies

6 Meters	52.525 MHz	1.25 Meters	223.500 MHz
2 Meters	146.500 MHz 146.520 MHz 146.550 MHz	70 Centimeters	446.000 MHz



Published by the Sierra Nevada Amateur Radio Society, Inc.

Send Updates to: snars@snars.org | Revised: August 2023

FYI this guide was revised August 2023

FUN STUFF FOR OCTOBER

October has 7 state QSO parties, including OURS! Make sure YOU get on for that one. There are four altogether that weekend, the 14-16, so lots of possibilities. There's also the Oceania DX contest on CW, so there might be lots of QRM! And it sure would be nice if ALL state QSO parties used the same exchange. There are also two ARRL-sponsored contests, shown in all BOLD, along with the NVQSO Party.

7 Oct 0600 to 8 Oct 0600 1.8-28 Oceania DX Contest, Phone
www.oceaniadxcontest.com

7 Oct 1600 to 8 Oct 2200 1.8-28 California QSO Party CW Ph
www.cqp.org/Rules.html

14 Oct 0300 to 15 Oct 2100 1.8-28, VHF/UHF Nevada QSO Party
CW Ph Dig www.nvqso.com

14 Oct 0600 to 15 Oct 0600 1.8-28 Oceania DX Contest, CW
www.oceaniadxcontest.com

14 Oct 1500 to 15 Oct 0500 1.8-28 Arizona QSO Party CW Ph
www.azqp.org

14 Oct 1600 to 15 Oct 2200 No WARC Pennsylvania QSO Party CW
Ph www.paqso.org

14 Oct 1800 to 15 Oct 1800 1.8-28, 50,144 South Dakota QSO Party
CW Ph Dig www.sdqsoparty.com

16 Oct 1300 to 20 Oct 2359 No WARC ARRL School Club Roundup
CW Ph Dig www.arrl.org/school-club-roundup

21 Oct 0001 to 22 Oct 2359 28 10-10 Int'l Fall Contest, CW
www.ten-ten.org

21 Oct 1400 to 22 Oct 0200 No WARC New York QSO Party CW Ph
Dig www.nyqp.org

21 Oct 1500 to 22 Oct 1500 1.8 Stew Perry Topband Challenge CW
www.kkn.net/stew

22 Oct 1700 to 23 Oct 0100 1.8-28, 50,144 Illinois QSO Party CW Ph
Dig www.w9awe.org/ilqp

28 Oct 0000 to 29 Oct 2359 50-1296 ARRL EME Contest CW Ph Dig
www.arrl.org/eme-contest

28 Oct 0000 to 29 Oct 2359 1.8-28 CQ World Wide DX Contest, SSB
Ph www.cqww.com

If you want to see the full list, go [HERE](#)

If you're not into contests, there's always DX to chase! Seems like October is mostly Oceania (that's good for us!) but Tristan De Cunha, for example, is the most remote inhabited archipelago on earth, in the south Atlantic. Then there's Albania in Europe, Uganda in Africa, Mayotte in the Indian Ocean! Wow.....

Sep 20 to Oct 04 Lord Howe I VK9LAA

Sep 22 to Oct 01 Albania ZA

Sep 24 to Oct 22 Tristan da Cunha ZD9W

Sep 28 to Oct 08 Uganda 5X3K

Oct 01 to Oct 14 Samoa 5W0LM

Oct 01 to Oct 31 Vanuatu YJ0TT

Oct 02 to Oct 06 French Polynesia FO

Oct 02 to Oct 15 French Polynesia TX6D

Oct 04 to Oct 11 East Kiribati T32ND

Oct 04 to Oct 15 Marshall Is V73AH

Oct 04 to Oct 17 Swains I W8S

Oct 10 to Oct 22 Mayotte TO8FH

Oct 10 to Oct 23 Niue E6AM

Oct 10 to Oct 30 Tuvalu 2C

Oct 12 to Nov 06 North Cook Is E51JAN

Oct 18 to Oct 30 Micronesia V63AH

Oct 20 to Nov 04 Chatham I ZL7

Oct 25 to Oct 31 Micronesia V6SZ

Oct 26 to Nov 09 Temotu H40WA

Oct 27 to Oct 31 Micronesia V63CB

You might check with <https://www.ng3k.com/Misc/adxo.html> to see if these DXpeditions are still on, and to see other ones that would be of interest.

RENO QRP SLOW SPEED CW NET

NEXT NET SESSIONS WILL BE at 10 AM, October 5 and October 19, Pacific Daylight Time. Check with WD7Y@sbcglobal.net to confirm times. Target frequency 7.045 MHz, if busy search somewhere near that frequency.

THE FOLLOWING SHOULD ALWAYS BE IN YOUR REPORT:
NAME ,RST, LOCATION, RIG, POWER, ANTENNA.

REMEMBER TO INCLUDE RST IN YOUR REPORT

Feel free to add something else in your exchange.

Take some time to report RST for other OP's or anything else that comes to mind.

Sharing information about you and your equipment will accomplish two things.

First It gives you and everybody else practice sending and copying. Second It is nice to spend time on the air with your friends. Consider this a QRP meeting on the air.

Relax and have some airtime fun with your friends.

73/72 Ed/WD7Y

NAME THAT RIG (from page 8)

Bet'cha you never heard of this one! I haven't and I've been at this game 62 years. The **Bando Company**, from South Korea, made ham gear for some 15 years. I don't ever recall seeing one advertised in QST. Pictured is the **Bando Technic-5**, the company's only all-band transceiver. They did make a number of single-band, two and three band models. The **Technic-5** was released in 1987, and actually came in two models, the **-5S** with 50W output and one 6146B, and the **-5D** with 100W output and two 6146B finals. Interestingly, the Bando models were hybrid rigs in an era where the models from the "Big Three", the YaeComWood boys, were all solid state by now. The **Bandos** featured great sensitivity and reasonable selectivity, and about mid-point in the **Technic-5** production, they switched from analog VFOs to PLL, thus improving their stability. They were very reliable and well made. Maybe they missed with not marketing their radios here.

SNARS SILENT KEYS

IN MEMORY OF SNARS MEMBERS WHO RECENTLY PASSED AWAY.

If you know of a SNARS member or friend of SNARS who has passed away recently, submit it to me WB2AWQ@arrl.net or any Board member for verification and inclusion on this page.



Board of Directors Meeting Minutes

September 13, 2023 - Approx 6:00PM

Chin Chin, Sparks & Via Zoom

1. Call to order and roll call at 6:00 PM

Board of Directors:

Barry Bettman, K6ST P

John Byerly, N7ROJ Z

Doug Edmondo, W7DBE Z

Anthony Marcin, W7XM

Krystal Nelson, AJ6GC P

Jim Shepherd, W6US P

Brian Verhalen, KJ6EAC P

Guest(s) In attendance:

Bob Nelson, KA6NSN P, Wes Vick, KG7QXE Z

2. Approval of Minutes - Discussion/Action

Approve August 2023 Meeting Minutes, Motion by Krystal Nelson, Jim Shepherd Seconds, Motion Passes

3. Approval of Agenda - Discussion/Action

Approve Agenda - Motion by Krystal Nelson, Jim Shepherd Seconds, Motion Passes

4. Reports

A. President's Report

Barry discussed the events and thanked all those working on the repeaters, equipment.

B. Secretary Report

No Report.

C. Treasurer

1. Doug discussed the logistics for the Ham Swap on the 23rd related to raffle and prizes.

2. Doug Presented via Zoom the Financials for the month.

3. Operating: 2,6222.57 | Convention: 4058.77 | Savings: 1,864.43 | Self Ins: 17,002.79 | PayPal: 568.73.

Balances as of 9/15/2023.

D. Technical Team

1. Barry discussed on behalf of John, Working on the repeaters before winter storms hit this fall. No other reports.

2. Looking to identify the user who has a remote base on the repeater system and would like to have them disconnect it. Still looking for the user and might need to do a signal hunt to find it.

E. Control Operators / Trustee

No Report.

F. Events

1. Field Day - New Reservation System to reserve for Group Sites, Barry discussed with the state on what the status for the reservation system and when it will be available for the club to reserve the site for next year's Field Day at Washoe Lake State Park. Doug will monitor and will try to reserve the site when it comes online.
2. Jim discussed the need for people for W1AW/7 operators still.
3. Jim discussed the status for NVQSO in October and the need for people to sign up for activations.
4. Ham Radio Night on zoom will have a room for the W1AW/7 and NVQSO.

G. Education & Youth Activities

Barry discussed the activities about the Jamboree on the Air event. Looking to get help.

Barry discussed the Nevada Day Parade activities and logistics for the SNARS float.

H. SNARS Noon Net and SNARS Digital Net

1. Wes provided an update on the Noon Net, reporting a lower activity as of late.
2. Barry put together a Google Doc to put notices/events for the Net Control Operators to have a central point for announcements for the daily net. The link is posted in the SNARS Noon Net Telegram channel.
3. Barry discussed the Digital Net. It has been slow the last couple of years as he noted. Still value for the net even with low attendance.

5. Old Business

A. Reno Ham Swap - Barry discussed the ham swap for the 23rd and logistics for getting items to the event from the shed.

B. Barry Discussed Multi-club summer gathering update and current count of attendees along with the logistics of the event. Updated the two other groups as well so they are informed.

C. SNARS Scott Brink Volunteer of the year award update - Barry discussed with Chuck on what the award information will look like. Next will be the logistics of who to offer it to and where to get the award made. Will follow up Chuck on additional logistics/text.

D. D-STAR Project - Mt Davidson, Update - Barry discussed having a room for the Ham Radio Night for those who are interested in DSTAR and have questions.

6. New Business

A. Discussion on Support for KD7QDT (Alinco dj-vx50 dual band ht)

B. Discussion on Holiday Party - Brian discussed the Party Logistics, Facility and menu options.

7. Board member and Public Comments

During this time members and board of directors may speak on any topic regardless if the item was agendaized.

8. Adjournment - Action

A. Next Meeting: October 11, 2023 at 6:00PM, Location to be Announced

B. Adjourned at 7:17 pm